Upright



TECHNICAL DATA

MICROFAST® AND MicrofastHP® QUICK RESPONSE UPRIGHT AND CONVENTIONAL SPRINKLERS

Conventional

1. PRODUCT NAME

MICROFAST® AND MicrofastHP® QUICK RESPONSE UPRIGHT AND CONVEN-**TIONAL SPRINKLERS**

†The Sprinkler Identification Number (SIN) is stamped on the sprinkler deflector.

2. MANUFACTURER

THE VIKING CORPORATION

210 N. Industrial Park Road

Hastings, Michigan 49058, U.S.A.

Telephone:

(269) 945-9501

Fax:

Technical Services: (877) 384-5464 (269) 945-9599

e-mail:

techsvcs@vikingcorp.com

3. PRODUCT DESCRIPTION

Viking Microfast® and MicrofastHP® Quick Response Upright and Conventional (Old Style) Sprinklers are small thermosensitive glass bulb spray sprinklers available in various finishes, temperature ratings, and orifice sizes to meet design requirements. The special Poly finishes and Teflon® coatings can be used in decorative applications where colors are desired. In addition, these finishes have been investigated for installation in corrosive atmospheres and are cULus listed as corrosion resistant as indicated in the Approval Chart. (Note: FM Global has no approval classification for Teflon® and Poly finishes as corrosion resistant.)

The pip cap and sealing assembly of the sprinkler are held in place by the glass bulb operating element. During fire conditions, the heat-sensitive liquid in the glass bulb expands, causing the bulb to shatter, releasing the pip cap and sealing spring assembly. Water flowing through the sprinkler orifice strikes the sprinkler deflector, forming a uniform spray pattern to extinguish or control the fire.

4. TECHNICAL DATA

LISTINGS AND APPROVALS

cULus Listed: Category VNIV FM Approved: Class 2020

Refer the Approval Chart on page 51 c and Design Criteria on page 51 d for cULus and FM approval requirements that must be followed.

CHARACTERISTICS

- · Minimum Operating Pressure: 7 psi (0,5 bar)
- · Maximum Working Pressure: Sprinklers VK315 and VK340 are rated for use with water working pressures ranging from the minimum 7 psi (0,5 bar) up to 250 psi (17,2 bar) for high-pressure systems. High-pressure (HP) sprinklers can be identified by locating "250" stamped on the deflector. All other Part Nos. not mentioned above are rated to a maximum 175 psi (12 bar) wwp.
- Factory tested hydrostatically to 500 psi (34,5 bar)
- Testing: U.S.A. Patent No. 4,831,870
- · Thread size: Refer to the Approval Chart
- · Nominal K-Factor: Refer to the Approval Chart
- Glass-bulb fluid temperature rated to -65 °F (-55 °C)
- · Overall Length: Refer to the Approval Chart

MATERIALS

Frame Casting: Brass UNS-C84400

Deflector: Copper UNS-C19500 for Sprinklers 06661B, 06665B, 06764B, 07060, and 12281. Brass UNS-C26000 for all other Sprinklers.

Note: Units of measure in parentheses may be approximations.

Form No. F_080488

Replaces page 51 a-b, dated November 18, 2005 (Reformatted, added 135 °F temperature rating, and added CE approval for sprinklers 06665B and 06768B.)

August 4, 2006



TECHNICAL DATA

MICROFAST® AND
MicrofastHP® QUICK
RESPONSE UPRIGHT AND
CONVENTIONAL SPRINKLERS

TABLE	1: AVAILABLE SPRINKLER TEMPERA	ATURE RATINGS AND FINISHES	
Ordinary	135 °F (57 °C)	100 °F (38 °C)	Orange
Ordinary	155 °F (68 °C)	100 °F (38 °C)	Red
Intermediate	175 °F (79 °C)	150 °F (65 °C)	Yellow
Intermediate	200 °F (93 °C)	150 °F (65 °C)	Green
High	286 °F (141 °C)	225 °F (107 °C).	Blue

Sprinkler Finishes: Brass, Chrome-Enloy[®], White Polyester (White Poly finish for Sprinklers 06661B, 06665B, 06764B, 07060, and 12281). Black Polyester (Black Poly finish for Sprinkler 06661B), and Black Teflon[®]

Corrosion-Resistant Coatings³: White Polyester (White Poly finish for Sprinklers 06661B, 06665B, 06764B, 07060, and 12281), Black Polyester (Black Poly finish for Sprinkler 06661B), and Black Teflon[®]

Bushing (for Sprinklers 06719B, 06717B, and 12286): Brass UNS-C36000

Bulb: Glass, nominal 3 mm diameter

Belleville Spring Sealing Assembly: Nickel Alloy, coated on both sides with Teflon Tape

Screw: Brass UNS-C36000

Pip Cap and Insert Assembly: Copper UNS-C11000 and Stainless Steel UNS-S30400

For Teflon® Coated Sprinklers: Belleville Spring-Exposed, Screw-Nickel Plated, Pip Cap-Teflon® Coated

For Poly Coated Sprinklers: Belleville Spring-Exposed

AVAILABLE FINISHES AND TEMPERATURE RATINGS: Refer to Table 1 above.

5. ORDERING INSTRUCTIONS (Also refer to the current Viking price list.)

Order Microfast® Quick Response Upright and Conventional Sprinklers by first adding the appropriate suffix for the sprinkler finish and then the appropriate suffix for the temperature rating to sprinkler base part number.

Finish Suffix: Brass = A, Chrome-Enloy® = F, White Poly Finish = M-/W, Black Poly Finish = M-/B, and Black Teflon® = N

Temperature Suffix (°F/°C): $135^{\circ}/68^{\circ} = A$, $155^{\circ}/68^{\circ} = B$, $175^{\circ}/79^{\circ} = D$, $200^{\circ}/93^{\circ} = E$, and $286^{\circ}/141^{\circ} = G$

For example, Sprinkler VK300 with a 1/2" thread, Brass finish and a 155 °F/68 °C temperature rating = Part No. 06661BAB.

ACCESSORIES (Also refer to the "Sprinkler Accessories" section of the Viking data book.)

Sprinkler Wrench:

A. Standard Wrench: Part No. 10896W/B (available since 2000).

Sprinkler Cabinets:

A. Six-head capacity: Part No. 01724A (available since 1971)

B. Twelve-head capacity: Part No. 01725A (available since 1971)

¹ The sprinkler temperature rating is stamped on the deflector.

² Based on NFPA-13. Other limits may apply, depending on fire loading, sprinkler location, and other requirements of the Authority Having Jurisdiction. Refer to specific installation standards.

³ The corrosion-resistant coatings have passed the standard corrosion test required by the approving agencies indicated on page 51 c. These tests cannot and do not represent all possible corrosive environments. Prior to installation, verify through the end-user that the coatings are compatible with or suitable for the proposed environment. For automatic sprinklers, the coatings indicated are applied to the exposed exterior surfaces only. Note that the spring is exposed on sprinklers with Poly finishes and Teflon® coatings.

Sprinkler 51 c



TECHNICAL DATA

MICROFAST® AND MicrofastHP® QUICK **RESPONSE UPRIGHT AND** CONVENTIONAL SPRINKLERS

							4	nieková k (s kr							
						da ili		Resemble 482	illia (septanti						
									pilnisi (p. 151)						
						- A (aim	18478 PSE (1211)	i yw e						
Base Part		Th	iread	No	minal	Over	all		Listings	and Approvals	3				
Number ¹	SIN		Size	K-F	actor	Leng	th								
Mullipel	<u> </u>	NPT	BSP	U.S.	metric ²	Inches		cULus ⁴	FM ⁶	NYC	VdS	LPCB	Œ	•	
								right-Standard Orif							
06661B			15 mm		80,6	2-3/16		A6	A7	A6					
07060	VK345	L i	15 mm	5.6	80,6	2-3/16	56	<u> </u>	A3		D1	A711	B7 ¹¹	B7 ¹³	
007000	1. 0.22 . 2	1						entional-Standard (15511	5515	
06766B	VK310	1/2"	15 mm	5.6	80,6	2-3/16		A5		A5	1	A5 ¹¹	B5 ¹¹	B5 ¹⁵	
000055	1.420.50	107411	46	0.0	445.0	10.540		pright-Large Orific		•	504		C5 ¹¹		
			15 mm		115,2	2-5/16	59 59	A4 A4	A3 .	A4	D1		U5"	_=_	
067648	VK350	1/2	15 mm	8.0	115,2	2-5/16			ifica	A4					
06768B	V/K254	2/4"	20 mm	8.0	115.2	2-5/16	59	ventional-Large Or A5		A5	1 -		C5 ¹¹		
007000	VIX334	3/4	20 11111	0.0	115,2	2-3/10		pright-Small Orific	.				100		
06717B ¹⁰	V/K325	1/2"	15 mm	2.8	40.3	2-3/16	56	A2	A1	A2	-		T 1		
06719B ¹⁰					60,5	2-3/16		A2		A2	-				
06931B ¹⁰			10 mm	4.2	60,5	2-3/16	56				D1		D1 ¹²		
	1	ســـــــــــــــــــــــــــــــــــــ						ım 250 PSI (17,2 ba	r) WWP				<u> </u>		
ļ								right-Standard Orif	•	-					
		Th	read	No	minal	Over		_ V		and Approvals	.3			-	
Base Part	SIN	8	ilze	K-F	actor	Leng	th	· ''							
Number ¹		NPT	BSP	U.S.	metric ²			cULus⁴	FM	NYC ⁸	VdS	LPCB	(E)	0	
12281	VK315	1/2"	15 mm	5.6	80,6	2-3/16	56	. A2		A2					
								pright-Small Orifice	9						
12286 ¹⁰	VK340	1/2"	15 mm	2.8	40,3	2-3/16	56	A2		A2	<u> </u>			_=	
	Approv	ed Te	mperat	ure Ra	atings		ł		Approv	ed Finishes					
							1 - E	Brass and Chrome-E							
1	A - 135 °F (57 °C), 155 °F (68 °C), 175 °F (79 °C), 2 - Brass, Chrome-Enjoy® White Polyester Black Polyester and Black Teflon®5								n ^{eo5}						
200 °F	(93 °C)	, and	286 °F	(141°C)			Brass, Chrome-Enloy							
B - 155 °F	(68 °C).	175	°F (79 °C	C), 200	° 93 °C) 1°C)	'C), and	4 - E	Brass, Chrome-Enloy	®. White Polv F	inish ⁵ , Black Pol	vester	5, and Bla	ick Tef	lon ^{®5}	
286 °F	(141°C)						Brass, Chrome-Enloy							
C - 155 °F	(68 °C).	175°	F (79 °C), and	286 °F	(141°C)		Brass, Chrome-Enloy					ack Tel	lon®5	
1			, ·	,	'	`		•							
D - 155 °F (68 °C) 7 - Brass, Chrome-Enloy®, White Poly Finish, and Black Poly Finish															

- ¹ Base part number is shown. For complete part number, refer to Viking's current price schedule.
- ² Metric K-factor shown is for use when pressure is measured in bar. When pressure is measured in kPa, divide the metric K-factor shown by 10.0.

Footnotes

- ³ This table shows the listings and approvals available at the time of printing. Check with the manufacturer for any additional approvals.
- ⁴ Listed by Underwriters Laboratories Inc. for use in the U.S. and Canada.
- ⁵ cULus Listed as corrosion resistant.

- ⁶ FM Approved for use only in wet-pipe sprinkler systems (or preaction systems qualifying as wet systems) for protection of occupancies described in the Factory Mutual Engineering and Research Loss Prevention Data Sheets and Technical Advisory Bulletins
- ⁷ Accepted for use, City of New York Board of Standards and Appeals, Calendar Number 219-76-SA.
- ⁸ Accepted for use, City of New York Department of Buildings, MEA 89-92-E, Vol. 16.
- 9 Listings and Approvals limited to Light Hazard Occupancies where allowed by the installation standards being applied, with hydraulically calculated wet systems only.
- ¹⁰The sprinkler orifice is bushed.
- "(€ Certified, Standard EN 12259-1, EC-certificate of conformity 0832-CPD-2001 and 0832-CPD-2003.
- 12(€ Certified, Standard EN 12259-1, EC-certificate of conformity 0786-CPD-40131.
- 13 🍎 MED Certified, Standard EN 12259-1, EC-certificate of conformity 0832-MED-1003 and 0832-MED-1008.

August 4, 2006



TECHNICAL DATA

MICROFAST® AND MicrofastHP® QUICK RESPONSE UPRIGHT AND CONVENTIONAL SPRINKLERS



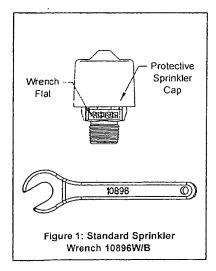
cULus Listing Requirements; Quick Response Upright and Conventional Sprinklers are cULus Listed as indicated in the Approval Chart for installation in accordance with the latest edition of NFPA 13 for standard spray sprinklers, or old style (conventional) sprinklers..

- · Designed for use in Light and Ordinary Hazard occupancies (exception: small orifice sprinklers are limited to Light Hazard where allowed by the installation standards being applied, with hydraulically calculated wet systems only).
- The sprinkler installation rules contained in NFPA 13 for standard spray upright sprinklers must be followed. For conventional sprinklers, refer to the installation guidelines for old style (conventional) sprinklers.

EM Approval Requirements: Quick Response Upright Sprinklers are FM Approved as indicated in the Approval Chart for use only in wet-pipe sprinkler systems (or preaction systems qualifying as wet systems). For installation in accordance with the latest applicable FM Loss Prevention Data Sheets and Technical Advisory Bulletins. FM Global Loss Prevention Data Sheets and Technical Advisory Bulletins contain guidelines relating to, but not limited to: minimum water supply requirements, hydraulic design, ceiling slope and obstructions, minimum and maximum allowable spacing, and deflector distance below the ceiling.

NOTE: The FM installation guidelines may differ from cULus and/or NFPA criteria.

IMPORTANT: Always refer to Bulletin Form No. F_091699 - Care and Handling of Sprinklers. Also refer to page QR1-2 for general care, installation, and maintenance information. Viking sprinklers are to be installed in accordance with the latest edition of Viking technical data, the appropriate standards of NFPA, FM Global, LPCB, Assemblee Pleniere, VdS or other similar organizations, and also with the provisions of governmental codes, ordinances, and standards, whenever applicable.



October 6, 2006 Sprinkler 54a



TECHNICAL DATA

MIRAGE® QUICK RESPONSE CONCEALED PENDENT SPRINKLER VK462 AND HP SPRINKLER VK463 (K5.6)

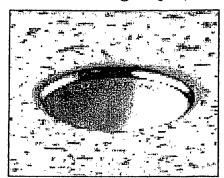
The Viking Corporation, 210 N Industrial Park Road, Hastings MI 49058

Telephone: 269-945-9501 Technical Services 877-384-5464 Fax: 269-945-4495 Email: techsvcs@vikingcorp.com

1. DESCRIPTION

Viking Mirage® Quick Response Concealed Pendent Sprinkler SIN VK462 and HP Sprinkler VK463 are thermosensitive glass-bulb spray sprinkler designed for installation on concealed pipe systems where the appearance of a smooth ceiling is desired.

The sprinkler is pre-assembled with a threaded adapter for installation with a low-profile cover assembly that provides up to ½" (12.7 mm) of vertical adjustment. The two-piece design allows installation and testing of the sprinkler prior to installation of the cover plate. The "push-on", "thread-off" design of the concealed cover plate assembly allows easy installation of the cover plate after the system has been tested and the ceiling finish has been applied. The cover assembly can be removed and reinstalled, allowing temporary removal of ceiling panels without taking the sprinkler system out of service or removing the sprinkler.



Viking Technical Data may be found on

The Viking Corporation's Web site at

http://www.vikingcorp.com.

The Web site may include a more recent

edition of this Technical Data Page.

2. LISTINGS AND APPROVALS

cULus Listed: Category VNIV

NYC Approved: MEA 89-92-E, Volume 32

Refer to the Approval Chart on page 54c and Design Criteria on page 54d for cULus Listing requirements that must be followed.

3. TECHNICAL DATA

Specifications:

Minimum Operating Pressure: 7 psi (0.5 bar)

Maximum Working Pressure: Sprinkler VK463 is rated for use with water working pressures ranging from the minimum 7 psi (0.5 bar) up to 250 psi (17.2 bar) for high-pressure systems. High-pressure (HP) sprinklers can be identified by locating "250" stamped on the deflector. Sprinkler VK462 is rated to a maximum 175 psi (12 bar) wwp.

Factory tested hydrostatically to 500 psi (34.5 bar)

Testing: U.S.A. Patent No. 4,831,870 Thread size: 1/2" (15 mm) NPT

Nominal K-Factor: 5.6 U.S. (80.6 metric*)

*Metric K-factor measurement shown is when pressure is measured in Bar. When pressure is measured in kPa, divide the metric K-factor shown by 10.0. Glass-bulb fluid temperature rated to -65 °F (-55 °C)

Patents Pending

Material Standards:

Sprinkler Body: Brass UNS-C84400 Deflector: Bronze UNS-C51000

Deflector Pins: Stainless Steel UNS-S30300 Bulb: Glass, nominal 3 mm diameter

Pip Cap and Insert Assembly: Copper UNS-C11000 and Stainless Steel UNS-S30400

Button: Brass UNS-C36000 Screws: 18-8 Stainless Steel

Belleville Spring Sealing Assembly: Nickel Alloy, coated on both sides with Teflon Tape

Yoke: Bronze UNS-C51000

Cover Adapter: Cold Rolled Steel UNS-G10080, Finish: Clear Chromate over Zinc Plating

Cover Assembly Materials: Cover: Copper UNS-C11000

Base: Brass UNS-C26000 or UNS-C26800

Springs: Nickel Alloy Solder: Eutectic

Ordering Information: (Also refer to the current Viking price list.)

Viking Mirage® Quick Response Concealed Pendent Sprinklers and Cover Plate Assemblies must be ordered separately:

Form No. F_103005

Replaces page 54a-b, dated April 10, 2006 (reformatted and added MEA/NYC Approval).

Sprinkler 54b October 6, 2006



TECHNICAL DATA

MIRAGE® QUICK RESPONSE CONCEALED PENDENT SPRINKLER VK462 AND HP SPRINKLER VK463 (K5.6)

The Viking Corporation, 210 N Industrial Park Road, Hastings MI 49058

Telephone: 269-945-9501 Technical Services 877-384-5464 Fax: 269-945-4495 Email: techsvcs@vikingcorp.com

Sprinkler: Base Part No. 13503A or HP Base Part No. 13667A

Specify sprinkler temperature rating by adding the appropriate suffix for the temperature rating to the base part number:

Temperature Suffix (°F/°C): 155°/68° = B, 175°/79° = D, 200°/93° = E

For example, sprinkler VK462 with a 155 °F/68 °C temperature rating = 13503AB.

Cover Plate Assembly: Base Part No. 13504 (2-3/4" diameter) or Base Part No. 13642 (3-5/16" diameter)

Specify finish and temperature rating of the cover plate assembly by first adding the appropriate suffix for the finish and then the appropriate suffix for the cover temperature rating to the base part number:

Finish Suffix: Polished Chrome = F, Painted White = M-/SW1004, Painted Ivory = M-/SW1634, Painted Black = M-/SW1007

Temperature Suffix (°F/°C): $135^{\circ}/57^{\circ} = A$. $165^{\circ}/74^{\circ} = C$

For example, cover 13504 with a Polished Chrome finish and a 165 °F/74 °C temperature rating = 13504FC.

Available Finishes And Temperature Ratings:

Refer to Table 1

Accessories: (Also refer to the "Sprinkler Accessories" section of the Viking data book.)

Sprinkler Wrenches**:

A. Heavy Duty Part No. 14047W/B (available since 2006), or

B. Light Duty Part No. 14031*** (available since 2006)

Requires a 3/2" ratchet (not available from Viking). *Optional for removal of the protective cap. Ideal for sprinkler cabinets.

Sprinkler Cabinet: Part No. 01731A, Capacity: five (5) sprinklers (available since 1971)

4. INSTALLATION

Refer to appropriate NFPA Installation Standards.

5. OPERATION

During fire conditions, when the temperature around the sprinkler approaches its operating temperature, the cover plate detaches. Continued heating of the exposed sprinkler causes the heat-sensitive liquid in the glass bulb to expand and the bulb to shatter, releasing the yoke, pip-cap and sealing spring assembly. Water flowing through the sprinkler orifice strikes the sprinkler deflector, forming a uniform spray pattern to extinguish or control the fire.

6. INSPECTIONS, TESTS AND MAINTENANCE

Refer to NFPA 25 for Inspection, Testing and Maintenance requirements.

7. AVAILABILITY

Viking Sprinklers SIN VK462 and VK463 are available through a network of domestic and international distributors. See The Viking Corporation web site for the closest distributor or contact The Viking Corporation.

8. GUARANTEE

For details of warranty, refer to Viking's current list price schedule or contact Viking directly.

	TABLE 1 AVAILABLE S	PRINKLER TEMPERATURE	RATINGS AND FINISHES	
Ordinary	155 °F (68 °C)	100 °F (38 °C)	135 °F (57 °C)	Red
Intermediate	175 °F (79 °C)	150 °F (65 °C)	165 °F (74 °C)	Yellow
Intermediate	200 °F (93 °C)	150 °F (65 °C)	165 °F (74 °C)	Green

Cover Plate Finishes: Chrome-Enloy® (patents pending), Painted White, Painted Ivory, or Painted Black

Footnotes

¹ The sprinkler temperature rating is stamped on the sprinkler deflector.

² Based on NFPA-13. Other limits may apply, depending on fire loading, sprinkler location, and other requirements of the Authority Having Jurisdiction. Refer to specific installation standards.

October 6, 2006

Sprinker 54c



TECHNICAL DATA

MIRAGE® QUICK RESPONSE CONCEALED PENDENT SPRINKLER VK462 AND HP SPRINKLER VK463 (K5.6)

The Viking Corporation, 210 N Industrial Park Road, Hastings MI 49058

Telephone: 269-945-9501 Technical Services 877-384-5464 Fax: 269-945-4495 Email: techsvcs@vikingcorp.com

					Allege								
Sprinkler Base Part	SIN	1	hread ze	No	minal actor	Maximum Water Working	Overall (Sprinkle	Length	L	isting	s and Appro sign Criteria	vals ⁴	
Number ¹		Inch	mm	U.S.	metric ²	Pressure	Inches	mm	cULus ⁵	FM	NYC ⁶	VdS	LPCB
13503A	VK462	1/2"	15	5.6	80.6	175 psi (12 bar)	2-3/16"	56	AW1, BX1		AW1, BX1	_	
13667A	VK463	1/2"	15	5.6	80.6	250 psi (17.2 bar) ³	2-3/16"	56	AW1, BX1		AW1, BX1		

Sprinkler Temperature Ratings

A - 155 °F (68 °C)

B - 175 °F (79°C) and 200 °F (93 °C)

Cover Plate Assembly Temp. Ratings⁷

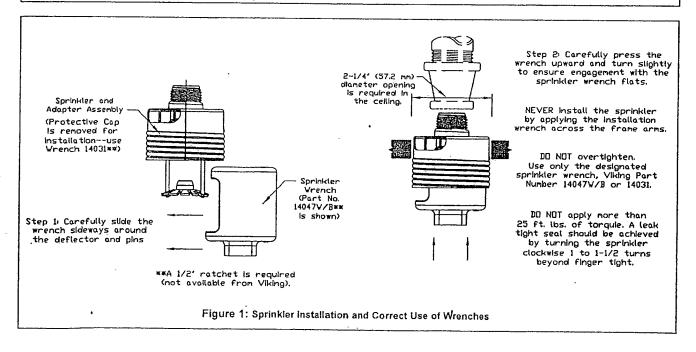
W - 135 °F (57 °C) cover 13504' or 13642' (large diameter) X - 165 °F (74 °C) cover 13504' or 13642' (large diameter) Finishes of the Cover Plate Assembly

Polished Chrome, Painted⁶ White (No. 1004)⁵, Painted⁸ Ivory (No. 1634)³, or Painted⁸ Black (No. 1007)⁹

Footnotes

- Part number shown is the base part number. For complete part number, refer to current Viking price list schedule.
- ² Metric K-factor measurement shown is when pressure is measured in Bar. When pressure is measured in kPa, divide the metric K-factor shown by 10.0.
- ³ The Water Working Pressure rating is stamped on the deflector.
- ⁴ This chart shows the listings and approvals available at the time of printing. Other approvals may be in process. Check with the manufacturer for any additional approvals.
- s Listed by Underwriter's Laboratories for use in the U.S. and Canada.

- ⁶ Accepted for use, City of New York Department of Buildings, MEA Number 89-92-E, Vol. 32.
- ⁷ The 135 °F cover has an orange label. The 165 °F cover has a white label.
- ⁸ Painted finish consists of Polyester Baked Enamel. Other paint colors are available on request with the same listings as the standard paint colors.
- 9 Sherwin-Williams® Color Answers™ Interior Color Number.



Sprinkler 54d October 6, 2006



TECHNICAL DATA

MIRAGE® QUICK RESPONSE CONCEALED PENDENT SPRINKLER VK462 AND HP SPRINKLER VK463 (K5.6)

The Viking Corporation, 210 N Industrial Park Road, Hastings MI 49058

Telephone: 269-945-9501 Technical Services 877-384-5464 Fax: 269-945-4495 Email: techsvcs@vikingcorp.com

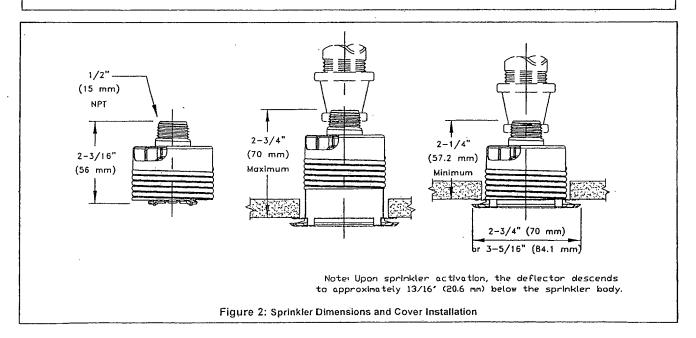


cULus Listing Requirements:

Mirage* Quick Response Concealed Pendent Sprinklers VK462 and VK463 are cULus Listed for installation in accordance with the latest edition of NFPA 13 for standard coverage pendent spray sprinklers as indicated below:

- · Must be installed in neutral or negative pressure plenums only.
- · For hazard occupancies up to and including Ordinary Hazard, Group II.
- · Protection areas and maximum spacing shall be in accordance with the tables provided in NFPA 13. Maximum spacing allowed is 15 ft. (4.6 m).
- · Minimum spacing allowed is 6 ft. (1.8 m) unless baffles are installed in accordance with NFPA 13.
- · Minimum distance from walls is 4 in. (102 mm).
- Maximum distance from walls shall be no more than one-half of the allowable distance between sprinklers. The distance shall be measured perpendicular to the wall.
- · The sprinkler obstruction rules contained in NFPA 13 for standard coverage pendent spray sprinklers must be followed.

IMPORTANT: Always refer to Bulletin Form No. F_091699 - Care and Handling of Sprinklers. Also refer to page QR1-2 for general care, installation, and maintenance information. Viking sprinklers are to be installed in accordance with the latest edition of Viking technical data, the appropriate standards of NFPA, FM Global, LPCB, APSAD, VdS or other similar organizations, and also with the provisions of governmental codes, ordinances, and standards, whenever applicable.





City of Aurora

Division of Building and Permits • 65 Water Street • Aurora, Illinois 60505-3305

05 • (630) 892-8088 FAX (630) 892-8112

Notice of Permit Cancellation Due to Abandonment

Date: April 4, 2007

GEMINI OFFICE 1 S WACKER SUITE 800 CHICAGO IL 60606

Address: 240 N OAKHURST DR Application # 07-805 FIRE SPRINKLER PERMIT Cost \$ 1257.00 Sent by Dora Soto, Customer Service Rep

Permit Applicant(s):

We have a building permit application that has been approved and is *ready for pick up*. Should you decide not to move forward with this project, please indicate so in the box below. You have 180 days to pick up this permit before it is deemed abandoned.

Per the Aurora Building Code; applications for permit shall be deemed to be abandoned, after 180 days of inactivity. As we undergo a code book and ordinance change every three years, closing the current permit application could mean that any future permits would need to be evaluated under the new code book and ordinances. This most likely would involve redesigning some features of your project.

Please return this letter with your signature and indication of your intentions below. We do have limitations on extensions and additional inactivity may still require future abandonment and re-submittal. The Aurora Building Code grants us the authority to grant a one-time extension of the permit application for 90 days. Failure to respond to this letter by October 4, 2007 will constitute acknowledgment that you do not intend to pursue this project and the application will be closed.

Please disregard this letter if permit has already been picked up or cancelled prior to receiving this notice.

Thank you for your cooperation, Division of Building and Permits City of Aurora

Mail or FAX Back to (630) 892-8112

	e this permit and wish to have a extended for 90 days. By that
	vided all requested items to the
	for final issuance of permit.
Name	
Title	
Signature ·	Date
	

We do not intend to pursue this have the permit application close certify that this work has not be we will make the property availa requested.	ed. In addition we een undertaken and
Name	· .
Title	
Signature	Date

P:\Bldg&Permits\Permit Info\Notice of Permit Application Abandonment ~ 2001.doc



City of Aurora-

Division of Building and Permits - 65 Water Street - Aurora, Illinois 60505-3305 - Phone: (630) 892-8088 - Fax: (630) 892-8112

BUILDING PERMIT

Application Number 07-00 Application pin number 62617 Property Address 240 N Parcel Number: 07-20 Lot #: Tenant nbr, name Application type description FIRE Subdivision Name Property Use Property Zoning PLANN Application valuation	5 OAKHURST DR -302-081 GEMINI OFFICE SUPPRESSION PERMIT	
NEW SYSTEM 221 HEADS		
Owner GEMINI OFFICE DEVELOPMENT ONE SOUTH WACHER DR #800	Contractor	
GEMINI OFFICE DEVELOPMENT ONE SOUTH WACHER DR #800 CHICAGO IL 60606 Other struct info FIRE SER ASSOCIAT PERMIT N PROPOSEI	NORTHBROOK (847) 498-4800 RVICE SIZE TED PERMIT? JUMBER? USE	IL 60062 4.00 Y 1.00 OFFICE BUILDING
Permit FIRE SPRINKLER Additional desc Permit pin number . 1861392 Permit Fee 1143.00 Issue Date 4/19/07 Expiration Date 10/16/07		
Qty Unit Charge Per BASE FEE 65.00 17.0000 THOU ALTER & R		Extension
Special Notes and CommentsPLEASE BE ADVISED IF THIS WORK IS BEING DONE IN CONJUNCTION WITH OTHER CONSTRUCTION/ PERMIT, ALL REQUIRED INSPECTIONS MUS' REQUESTED UNDER THE OTHER CONSTRUCTION PERMIT NUMBER. BUILDING PERMIT # 06-3529 Call inspection on permit # 06-3529	r be On/	
Fee summary Charged Paid Permit Fee Total 1143 00 1744	d Credited	Due
Permit Fee Total 1143.00 1143 Plan Check Total 114.00 1143 Grand Total 1257.00 1257	3.00 .00 1.00 .00 7.00 .00	.00 .00 .00



City of Aurora

Division of Building and Permits - 65 Water Street -- Aurora, Illinois 60505-3305 - Phone: (630) 892-8088 - Fax: (630) 892-8112

BUILDING PERMIT

	Application Numbe Property Address Parcel Number: Lot #:						07-00000805 240 N OAKHURST DR 07-20-302-081	Page Date	2 4/19/07
	Tenant nbr, name Application description Name	TDC	ion	•	•	•	GEMINI OFFICE FIRE SUPPRESSION PERMIT	r	
	Permit								
	Additional desc . Permit pin number	•	186	513	92	:			
			Reg	_{lui}	re	d	Inspections		
Seq	Insp Code	De	escr	ip	ti	on	Ini	tials	Date
10	FHYD	r a	המק	цVI	פר	^			